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Higashi

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(54) **PROJECTOR AND FOCUS ADJUSTMENT METHOD**

(75) Inventor: **Hideaki Higashi**, Tokyo (JP)

(73) Assignee: **Nec Viewtechnology, Ltd.**, Tokyo (JP)

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See application file for complete search history.

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Primary Examiner—Georgia Y Epps
Assistant Examiner—Ryan Howard
(74) *Attorney, Agent, or Firm*—McGinn IP Law Group, PLLC

(57) **ABSTRACT**

A transportable projector includes a focus adjustment unit for moving a focus lens in a projection lens, an acceleration sensor for detecting acceleration in a direction along an optical axis of the projection lens in the projector, a determination unit for determining whether the projector is in a stationary state or in a moving state in accordance with an output of the acceleration sensor and for respectively determining the direction to which the projector has moved and the distance that the projector has moved in accordance with an output of the acceleration sensor, and a control unit for controlling movement of the focus lens by the focus adjustment unit in accordance with the determined direction and the determined distance of the projector.

20 Claims, 8 Drawing Sheets